

IN THE CLAIMS

Cancel Claims 1 and 2, without prejudice.

Amend Claim 3 as follows:

3. (Amended) [The] A rotary electric machine [of claim 2], comprising:

a stator having a plurality of windings;

a hollow shaft having an axial end region, the shaft being mounted within the stator for rotation about an axis, the shaft further having at least one radial orifice;

an inlet for a cooling fluid in the axial end region of the shaft;

a rotor core integral to and coaxial with the hollow shaft, the rotor core having at least one electromagnetic device formed integral therewith, each electromagnetic device being disposed in apposition to one of the plurality of stator windings, wherein the rotor core further comprises a plurality of laminations, at least one pair of adjacent laminations having periodic slots, wherein the pair of adjacent laminations [further] comprises two laminations having an identical pattern of slots, the two lamination being rotated a number of degrees from each other and sandwiched between a pair of laminations without slots, such that the slots in the adjacent laminations form a continuous, zigzag, generally radial outward passageway; and

a generally radial outward passageway through the rotor core, wherein the passageway has an entry for the cooling fluid at the inner diameter of the core, the entry being aligned with one of the shaft radial orifices, and the passageway further having an outlet, the outlet being arranged to discharge the cooling fluid onto at least one of the electromagnetic devices.

Cancel Claims 4 through 10, without prejudice.

Amend Claim 11 as follows:

11. (Amended) [The] A rotary electric machine [of claim 11], comprising:

a stator having a plurality of windings;

a rotor core integral being mounted within the stator for rotation about an axis, the rotor core having at least one electromagnetic device formed integral therewith, each of the electromagnetic devices being disposed in apposition to one of the plurality of stator windings, wherein the rotor core further comprises a plurality of laminations, at least one pair of adjacent laminations having periodic slots, wherein the pair of adjacent laminations [further] comprises two laminations having an identical pattern of slots, the two lamination being rotated a number of degrees from each other and sandwiched between a pair of laminations without slots, such that the slots in the adjacent laminations form a continuous, zigzag, generally radial outward passageway;

an inlet for a cooling fluid in an axial end region of the rotor core, and

a generally radial outward passageway through the rotor core, wherein the passageway has an entry for the cooling fluid at the inner diameter of the rotor core, the passageway further having an outlet, the outlet being arranged to discharge the cooling fluid onto at least one of the electromagnetic devices.

Cancel Claims 12 through 16, without prejudice.